

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L9	181	(US-20040046241-\$).did. or (US-4092697-\$ or US-4561011-\$ or US-4612601-\$ or US-4628990-\$ or US-4654966-\$ or US-4744007-\$ or US-4949219-\$ or US-5067007-\$ or US-5108955-\$ or US-5126829-\$ or US-5151773-\$ or US-5153379-\$ or US-5168348-\$ or US-5175613-\$ or US-5276289-\$ or US-5276586-\$ or US-5306948-\$ or US-5311402-\$ or US-5329160-\$ or US-5345107-\$ or US-5349831-\$ or US-5371404-\$ or US-5396403-\$ or US-5430611-\$ or US-5468910-\$ or US-5471027-\$).did. or (US-5476818-\$ or US-5510956-\$ or US-5587882-\$ or US-5594282-\$ or US-5604978-\$ or US-5616957-\$ or US-5619070-\$ or US-5623394-\$ or US-5650918-\$ or US-5655290-\$ or US-5705850-\$ or US-5705851-\$ or US-5724729-\$ or US-5726079-\$ or US-5736785-\$ or US-5744752-\$ or US-5745344-\$ or US-5751062-\$ or US-5757620-\$ or US-5777847-\$ or US-5789813-\$ or US-5819402-\$ or US-5834327-\$ or US-5844311-\$ or US-5881944-\$ or US-5881945-\$ or US-5883425-\$).did. or (US-5889323-\$ or US-5898224-\$ or US-5904497-\$ or US-5905636-\$ or US-5907474-\$ or US-5909057-\$ or US-5920120-\$ or US-5926371-\$ or US-5931222-\$ or US-5940271-\$ or US-5950073-\$ or US-5956576-\$ or US-5977626-\$ or US-5981310-\$ or US-5982038-\$ or US-5982621-\$ or US-5990418-\$ or US-6008536-\$ or US-6025995-\$ or US-6046498-\$ or US-6051888-\$ or US-6064217-\$ or US-6082443-\$ or US-6091603-\$ or US-6111322-\$ or US-6114761-\$ or US-6124636-\$).did. or (US-6140707-\$ or US-6146921-\$ or US-6163458-\$ or US-6165820-\$ or US-6166435-\$ or US-6184580-\$ or US-6191360-\$ or US-6208519-\$ or US-6214647-\$ or US-6215180-\$ or US-6218730-\$ or US-6225695-\$ or US-6236568-\$ or US-6246115-\$ or US-6255143-\$ or US-6265769-\$ or US-6265771-\$ or US-6271058-\$ or US-6275381-\$ or US-6278613-\$ or US-6281573-\$ or US-6281575-\$ or US-6282096-\$ or US-6288900-\$ or US-6292369-\$ or US-6294408-\$ or US-6294831-\$).did. or (US-6304450-\$ or US-6325177-\$ or US-6344682-\$ or US-6351032-\$	US-PGPUB; USPAT	OR	ON	2005/04/22 08:02
Search History 4/22/05 9:56:28 AM C:\Documents and Settings\KTHAM\Documents\Workspaces\%Heat-sink-attach-to-surface-of-chip.wsp						

L10	154	9 and (bump ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 08:02
L11	0	("6806567").URPN.	USPAT	OR	ON	2005/04/22 08:05

L12	106	("20010015492" "20020012762" "4024570" "4059467" "4059708" "4081825" "4143456" "4264917" "4300153" "4323914" "4358552" "4507675" "4602678" "4628406" "4642671" "4801998" "4862245" "4873615" "4931852" "4942140" "4961107" "4984059" "5051275" "5071787" "5081067" "5101465" "5108955" "5120665" "5144747" "5173764" "5175613" "5182173" "5184208" "5194930" "5201866" "5218759" "5227663" "5233220" "5239200" "5249101" "5252853" "5286679" "5289346" "5291064" "5304842" "5311060" "5344795" "5358598" "5358904" "5358906" "5371044" "5378924" "5379186" "5379187" "5379191" "5385869" "5387554" "5394303" "5396403" "5432127" "5432675" "5434105" "5436203" "5438216" "5441684" "5450283" "5455200" "5455457" "5461255" "5468995" "5477082" "5488254" "5489538" "5489801" "5541446" "5552635" "5579573" "5594282" "5596231" "5598034" "5604376" "5610442" "5641997" "5652461" "5656857" "5659952" "5663106" "5672548" "5681757" "5701034" "5705851" "5891753" "5898571" "5905638" "5909056" "5931222" "5969947" "6081027" "6121680" "6190945" "6232152" "6249436" "6251707" "6263566" "6432511" "6534859").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:05
L13	2	("6737750").URPN.	USPAT	OR	ON	2005/04/22 08:14

L14	36	("4763188" "5012323" "5025306" "5166772" "5200809" "5291061" "5323060" "5347429" "5365107" "5422435" "5463253" "5495398" "5502289" "5530202" "5656864" "5689135" "5696031" "5715147" "5721452" "5739581" "5793108" "5815372" "5866949" "5886412" "5973403" "6005778" "6051886" "6057598" "6072243" "6080264" "6133637" "6214641" "6246115" "6326696" "6429512" "RE36613").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:15
L15	58	("2734154" "4034468" "4034469" "4233645" "4254431" "4299715" "4323914" "4398975" "4435611" "4466483" "4473113" "4607277" "4806111" "4915167" "4966142" "5011787" "5031308" "5037312" "5056706" "5071787" "5074947" "5086558" "5097387" "5131582" "5148141" "5148265" "5148266" "5164566" "5170930" "5196371" "5198189" "5223747" "5237130" "5323265" "5323294" "5328087" "5367435" "5410449" "5445308" "5455390" "5459352" "5542602" "5553769" "5557501" "5561590" "5572404" "5611884" "5651179" "5658831" "5688721" "5720100" "5745344" "5808874" "5819406" "5920125" "5975408" "6000127").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:30
L16	15	("6288900").URPN.	USPAT	OR	ON	2005/04/22 08:33
L17	0	("6486554").URPN.	USPAT	OR	ON	2005/04/22 08:34
L18	0	("6486554").URPN.	USPAT	OR	ON	2005/04/22 08:34

L19	19	("5203076" "5218234" "5679978" "5726079" "5817545" "5864178" "5883430" "5998243" "5998861" "6023096" "6104093" "6127724" "6208519" "6218731" "6246115" "6265771" "6288900" "6323066" "6339254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:34
L20	8	("5247426" "5287248" "5537342" "5675474" "5726494" "5736785" "5777847" "5831826").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:48
L21	16	"6046077"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/22 08:55
L22	20	"5811317"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/22 08:57
L23	42	"5969426"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/22 08:57
L24	19	("5510956" "5585668" "5705850" "5872700" "5880403" "5898224" "5907477" "5969426" "5976912" "6051888" "6087202" "6104093" "6236568" "6246115" "6284569" "6326240" "6326544" "6326696" "6411507").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:59
L25	3	"6501171"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 08:59
L26	16	("5213868" "5309321" "5365402" "5485037" "5543194" "5719444" "5726079" "5745344" "5777847" "5883430" "5960863" "5986885" "6037658" "6104093" "6150195" "6501171").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 09:00
L27	2	("6501171").URPN.	USPAT	OR	ON	2005/04/22 09:01

L28	8	("5213868" "5485037" "5745344" "5777847" "5821628" "5877043" "6104093" "6294831").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 09:01
L29	3	"6734552"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 09:02
L30	1	("6734552").URPN.	USPAT	OR	ON	2005/04/22 09:06

L31	109	("20020079570" "3908075" "3942245" "4501960" "4674175" "4701781" "4975765" "5023202" "5041395" "5122860" "5157475" "5172213" "5175612" "5285105" "5334857" "5366933" "5420460" "5474957" "5482736" "5482898" "5485037" "5556807" "5596231" "5596485" "5620928" "5650593" "5672548" "5672909" "5679978" "5693572" "5708567" "5729432" "5736785" "5789813" "5796163" "5807768" "5854511" "5867368" "5874321" "5886397" "5894108" "5900676" "5939784" "5940271" "5949655" "5950074" "5962810" "5981314" "5982621" "5986336" "5986340" "6011304" "6028354" "6034429" "6049125" "6069023" "6081028" "6081029" "6091603" "6092281" "6097101" "6104086" "6111324" "6117193" "6117705" "6127724" "6143588" "6150193" "6162849" "6163458" "6165612" "6191360" "6196002" "6198163" "6206997" "6208519" "6212070" "6214644" "6219238" "6222263" "6228676" "6229200" "6229702" "6236568" "6242281" "6246566" "6258629" "6265771" "6266197" "6274927" "6281241" "6281568" "6285075" "6291884" "6294100" "6294830" "6326678" "6395578" "6396143" "6429048" "6429508" "6433360" "6444498" "6452255" "6458626" "6498099" "6507102" "6552417" "6556740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 09:07
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L32	1831	257/706-707.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/22 09:19
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L42	214	(US-20040046241-\$).did. or (US-4092697-\$ or US-4561011-\$ or US-4612601-\$ or US-4628990-\$ or US-4654966-\$ or US-4744007-\$ or US-4949219-\$ or US-5067007-\$ or US-5108955-\$ or US-5126829-\$ or US-5151773-\$ or US-5153379-\$ or US-5168348-\$ or US-5175613-\$ or US-5276289-\$ or US-5276586-\$ or US-5306948-\$ or US-5311402-\$ or US-5329160-\$ or US-5345107-\$ or US-5349831-\$ or US-5371404-\$ or US-5396403-\$ or US-5430611-\$ or US-5468910-\$ or US-5471027-\$).did. or (US-5476818-\$ or US-5510956-\$ or US-5587882-\$ or US-5594282-\$ or US-5604978-\$ or US-5616957-\$ or US-5619070-\$ or US-5623394-\$ or US-5650918-\$ or US-5655290-\$ or US-5705850-\$ or US-5705851-\$ or US-5724729-\$ or US-5726079-\$ or US-5736785-\$ or US-5744752-\$ or US-5745344-\$ or US-5751062-\$ or US-5757620-\$ or US-5777847-\$ or US-5789813-\$ or US-5819402-\$ or US-5834327-\$ or US-5844311-\$ or US-5881944-\$ or US-5881945-\$ or US-5883425-\$).did. or (US-5889323-\$ or US-5898224-\$ or US-5904497-\$ or US-5905636-\$ or US-5907474-\$ or US-5909057-\$ or US-5920120-\$ or US-5926371-\$ or US-5931222-\$ or US-5940271-\$ or US-5950073-\$ or US-5956576-\$ or US-5977626-\$ or US-5981310-\$ or US-5982038-\$ or US-5982621-\$ or US-5990418-\$ or US-6008536-\$ or US-6025995-\$ or US-6046498-\$ or US-6051888-\$ or US-6064217-\$ or US-6082443-\$ or US-6091603-\$ or US-6111322-\$ or US-6114761-\$ or US-6124636-\$).did. or (US-6140707-\$ or US-6146921-\$ or US-6163458-\$ or US-6165820-\$ or US-6166435-\$ or US-6184580-\$ or US-6191360-\$ or US-6208519-\$ or US-6214647-\$ or US-6215180-\$ or US-6218730-\$ or US-6225695-\$ or US-6236568-\$ or US-6246115-\$ or US-6255143-\$ or US-6265769-\$ or US-6265771-\$ or US-6271058-\$ or US-6275381-\$ or US-6278613-\$ or US-6281573-\$ or US-6281575-\$ or US-6282096-\$ or US-6288900-\$ or US-6292369-\$ or US-6294408-\$ or US-63044831-\$).did. or (US-6304450-\$ or US-6305257-\$ or US-6344682-\$ or US-6351032-\$	US-PGPUB; USPAT	OR	ON	2005/04/22 09:19
Search History	4/22/05 9:15:00 AM	(US-63044831-\$).did. or (US-6304450-\$ or US-6305257-\$ or US-6344682-\$ or US-6351032-\$				C:\Documents and Settings\KTH\My Documents\EST\Workspaces\%Heat-sink-attach-to-surface-of-chip.wsp

L43	777	32 and (bump ball flipchip (flip adj chip) "flip-chip")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 09:20
L44	715	43 not 10	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 09:20
L45	706	44 and (substrate pcb carrier board)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 09:21
L46	180	45 and (passive capacitor resistor inductor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 09:21
L47	0	("6777819").URPN.	USPAT	OR	ON	2005/04/22 09:27
L48	6	("5530295" "5812570" "6069027" "6191360" "6294831" "6392900").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/22 09:27

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6784541".pn. and plate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 16:29
L2	1	"6784541".pn. and (plate near4 material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 16:29

L13	232	(US-20040046241-\$ or US-20050036291-\$).did. or (US-4092697-\$ or US-4561011-\$ or US-4612601-\$ or US-4628990-\$ or US-4654966-\$ or US-4744007-\$ or US-4949219-\$ or US-5067007-\$ or US-5108955-\$ or US-5126829-\$ or US-5151773-\$ or US-5153379-\$ or US-5168348-\$ or US-5175613-\$ or US-5276289-\$ or US-5276586-\$ or US-5306948-\$ or US-5311402-\$ or US-5329160-\$ or US-5345107-\$ or US-5349831-\$ or US-5371404-\$ or US-5396403-\$ or US-5430611-\$ or US-5468910-\$ or US-5471027-\$).did. or (US-5476818-\$ or US-5510956-\$ or US-5587882-\$ or US-5594282-\$ or US-5604978-\$ or US-5616957-\$ or US-5619070-\$ or US-5623394-\$ or US-5650918-\$ or US-5655290-\$ or US-5705850-\$ or US-5705851-\$ or US-5724729-\$ or US-5726079-\$ or US-5736785-\$ or US-5744752-\$ or US-5745344-\$ or US-5751062-\$ or US-5757620-\$ or US-5777847-\$ or US-5789813-\$ or US-5819402-\$ or US-5834327-\$ or US-5844311-\$ or US-5881944-\$ or US-5881945-\$ or US-5883425-\$).did. or (US-5889323-\$ or US-5898224-\$ or US-5904497-\$ or US-5905636-\$ or US-5907474-\$ or US-5909057-\$ or US-5920120-\$ or US-5926371-\$ or US-5931222-\$ or US-5940271-\$ or US-5950073-\$ or US-5956576-\$ or US-5977626-\$ or US-5981310-\$ or US-5982038-\$ or US-5982621-\$ or US-5990418-\$ or US-6008536-\$ or US-6025995-\$ or US-6046498-\$ or US-6051888-\$ or US-6064217-\$ or US-6082443-\$ or US-6091603-\$ or US-6111322-\$ or US-6114761-\$ or US-6124636-\$).did. or (US-6140707-\$ or US-6146921-\$ or US-6163458-\$ or US-6165820-\$ or US-6166435-\$ or US-6184580-\$ or US-6191360-\$ or US-6208519-\$ or US-6214647-\$ or US-6215180-\$ or US-6218730-\$ or US-6225695-\$ or US-6236568-\$ or US-6246115-\$ or US-6255143-\$ or US-6265769-\$ or US-6265771-\$ or US-6271058-\$ or US-6275381-\$ or US-6278613-\$ or US-6281573-\$ or US-6281575-\$ or US-6282096-\$ or US-6288900-\$ or US-6292369-\$ or US-6294408-\$ or US-6294831-\$).did. or (US-6304450-\$ or US-6320257-\$ or US-6344687-\$ or US-6351077-\$	US-PGPUB; USPAT	OR	ON	2005/04/22 16:30
Search History 4/22/05 4:41:02 PM Page 2 C:\Documents and Settings\Tina\My Documents\FAST\Workspaces\%Heat-sink-attach-to-surface-of-chip.wsp						

L14	0	13 and (solder near (bump ball)) and (((heat adj sink) near4 material) with (thema (transfer near1 heat)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 16:33
L15	38	13 and (solder near (bump ball)) and (((heat adj sink) near4 material) with (thermal heat))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/22 16:33